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Serial No.09/807,943
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<p style="text-align: center;">IN THE UNITED STATES PATENT AND TRADEMARK OFFICE EXPEDITED EXAMINING PROCEDURE UNDER 37 CFR § 1.116</p>	<i>Application Number</i>	09/807,943
	<i>Filing Date</i>	April 20, 2001
	<i>First Named Inventor</i>	Yan HONG
	<i>Group Art Unit</i>	1631
	<i>Examiner Name</i>	Channing Mahatan
	<i>Attorney Docket Number</i>	2977-123
<i>Title of the Invention:</i> DNA MARKER PROFILE DATA ANALYSIS		

OFFICIAL

RESPONSE AFTER FINAL UNDER 37 CFR §1.116

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the final Office action mailed January 29, 2004, the following remarks are respectfully submitted.

REMARKS

Claims 1-17 remain pending in this application. Reconsideration of this application is requested.

35 U.S.C. § 101 Rejection

The Examiner again is requested to reconsider the continued rejection of claim 17 as allegedly being directed to non-statutory subject matter. Claim 17 is not directed to stored "non-functional descriptive material" that is simply read or output by a computer.

Claim 17 is directed to an article of manufacture that contains specific encoded data representing a DNA fingerprint, that when coupled to a computer and read by the computer, causes the computer to convert the sequence of classified peak intensity symbols into a unique DNA fingerprint. Thus, claim 17 does in fact recite a functional relationship between the data and the computer in that the data causes the computer to execute a conversion or transformation process that transforms the encoded data from